VA Kidney Nutrition Mobile iOS App Architecture and Seed Project Challenge - Deployment Guide

Revision History

Author	Revision Number	Date
TCCODER	1.0	Dec 25, 2017

Deployment Instructions

1. Deployment Dependencies

Before performing a deployment, it is assumed that the following have been set up:

- Xcode 9.2+
- OS X 10.12.6 or above
- iOS SDK 11 or above
- iPhone device or simulator with iOS 10+

2. Organization of Submission

- *src* – this directory contains the source code
- *server* - this directory contains the sample JSON file used for a local server
- *src/VAKidneyNutrition.xcworkspace* – Xcode workspace to open.
- *docs* – this directory contains the documents for this application, including this deployment guide

3. 3rd party Libraries

SwiftyJSON - https://github.com/SwiftyJSON/SwiftyJSON
SwiftyJSON makes it easy to deal with JSON data in Swift. Version: 4.0.0

All libraries are configured in *src/Podfile*

4. Configuration

4.1. Configuration file

There is no specific configuration for this demo app.

4.2. Sample data

Sample data (used to fill the prototype with data) are stored in JSON files in *VAKidneyNutrition/Supporting Files/Sample Data/* group.

5. Deployment Instructions

5.2. Build and run the app in a simulator or on a real device

Pods directory should be pulled using the following command runned from `src` directory:

```
$ pod install
```

To build and run the app in a simulator or on a real device you will need to do the following:

1. Open *src/VAKidneyNutrition.xcworkspace* in Xcode
2. Select *VAKidneyNutrition* scheme from the top left drop down list.
3. Select a real iPhone (when connected) or a simulator from the top left dropdown list.

4. Click menu Product -> Run (Cmd+R)
5. Follow the verification steps in 7. Verification

6. Verification

Follow the challenge description and forum messages to verify the app. See some notes below. Also you can follow the video (how to launch the server and verify the screens) - https://youtu.be/Ykv7HR5zGmk .

Notes

- Because wireframes are sometimes confusing and this is a demo app some functions in the app have stubs (show stub message instead of save/update operation). This is enough for the demo app and can be implemented in future. All navigation flows are implemented completely. The following requirement is also implemented - *"demonstrates saving/ retrieving user data..."* The app saves/updates Account, Profile, Goals, Food data. All other data depend on complex logic that must be implemented to make the data persistent (this is too much for the demo app).
- Also read *doc/Architecture.pdf*.

7. Resource Contact List

Name	Resource Email
TCCODER	Through TopCoder Member Contact